

WHAT IS CLAIMED IS:

1. An information processing apparatus comprising:
an extracting means for extracting main information including first copy control information and auxiliary information representing attributes of said main information from input information;

a first generating means for generating second copy control information based on said auxiliary information extracted by said extracting means; and

an adding means for adding said second copy control information generated by said first generating means to said main information extracted by said extracting means.

2. An information processing apparatus according to claim 1 further having:

a second generating means for generating information on validity of said first copy control information; and

a means for adding said information on validity generated by said second generating means to said main information extracted by said extracting means.

3. An information processing apparatus according to claim 1 wherein:

said main information is a transport stream; and
said auxiliary information is information

indicating a mode in which said main information is encoded.

4. An information processing apparatus according to claim 3 wherein said second copy control information is added to said main information by said adding means for each transport packet of said transport stream.

5. An information processing apparatus according to claim 1 wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an EMI.

6. An information processing apparatus according to claim 1 further having:

an analyzing means for extracting said first copy control information from said main information and analyzing said first copy control information; and

a rewriting means for rewriting said first copy control information included in said main information in accordance with an analysis result output by said analyzing means.

7. An information processing apparatus according to claim 1 further having a recording means for recording said main information including said second copy control information added by said adding means into a recording

medium.

8. An information processing method adopted by an information processing apparatus for outputting information, said method comprising:

an extracting step of extracting main information including first copy control information and auxiliary information representing attributes of said main information from input information;

a generating step of generating second copy control information based on said auxiliary information extracted at said extracting step; and

an adding step of adding said second copy control information generated at said generating step of generating second copy control information to said main information extracted at said extracting step.

9. A presentation medium used for presenting a program to be executed to drive an information processing apparatus to carry out processing including:

an extracting step of extracting main information including first copy control information and auxiliary information representing attributes of said main information from input information;

a generating step of generating second copy control information based on said auxiliary information extracted

at said extracting step; and

an adding step of adding said second copy control information generated at said generating step of generating second copy control information to said main information extracted at said extracting step.

10. An information processing apparatus comprising:

an extracting means for extracting main information including first copy control information and extracting second copy control information added to said main information from input information;

a third generating means for generating rewrite information used for rewriting said first copy control information included in said main information in accordance with said second copy control information extracted by said extracting means; and

a rewriting means for rewriting said first copy control information included in said main information with said rewrite information generated by said third generating means.

11. An information processing apparatus according to claim 10 further having a playback means for playing back said main information including said additional second copy control information from a recording medium.

12. An information processing apparatus according to claim 10 wherein:

said extracting means has a means for extracting information on validity of said first copy control information from said input information; and

said apparatus further has an output means for outputting either said main information with said first copy control information rewritten by said rewriting means or said main information with said first copy control information not rewritten in dependence on said information on validity extracted by said extracting means.

13. An information processing method adopted in an information processing apparatus for outputting information, said method comprising:

an extracting step of extracting main information including first copy control information and extracting second copy control information added to said main information from input information;

a generating step of generating rewrite information used for rewriting said first copy control information included in said main information in accordance with said second copy control information extracted at said extracting step; and

a rewriting step of rewriting said first copy control information included in said main information with said rewrite information generated at said generating step of generating rewrite information.

14. A presentation medium used for presenting a program to be executed to drive an information processing apparatus to carry out processing including:

an extracting step of extracting main information including first copy control information and extracting second copy control information added to said main information from input information;

a generating step of generating rewrite information used for rewriting said first copy control information included in said main information in accordance with said second copy control information extracted at said extracting step; and

a rewriting step of rewriting said first copy control information included in said main information with said rewrite information generated at said generating step of generating rewrite information.